WHAT IS CLAIMED IS:

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- 1. A digital signature generating apparatus having storage unit in which a plurality of secret keys have been stored, comprising:
- a processing unit adapted to change a secret key used by said digital signature generating apparatus to a secret key specified by a key change command if the key change command has been received, and generate a digital signature of prescribed digital data using any one of the plurality of secret keys if a signature generating command has been received.
 - 2. The apparatus according to claim 1, wherein said apparatus is an IC card.
 - 3. The apparatus according to claim 2, wherein said apparatus is an apparatus equipped with a multi-application operating system.
 - 4. The apparatus according to claim 1, wherein the key change command is a command that includes information specifying any one of the plurality of secret keys.
 - 5. The apparatus according to claim 1, wherein the signature generating command is a command that includes the prescribed digital data or hash thereof.
- 6. A method of generating a digital signature in a digital signal generating apparatus having storage unit in which a plurality of secret keys have been stored, said method comprising the steps of:

changing a secret key used by said digital signature generating apparatus to a secret key specified by a key change command if the key change command has been received; and

- generating a digital signature of prescribed digital data using any one of the plurality of secret keys if a signature generating command has been received.
- 7. The method according to claim 6, wherein said apparatus is an IC card.
 - 8. The method according to claim 7, wherein said apparatus is an apparatus equipped with a multi-application operating system.
- The method according to claim 6, wherein the key
 change command is a command that includes information specifying any one of the plurality of secret keys.
 - 10. The method according to claim 6, wherein the signature generating command is a command that includes the prescribed digital data or hash thereof.
- 20 11. A computer program for causing a computer to execute each of the steps of the method of generating a digital signature set forth in claim 6.
 - 12. A computer-readable storage medium on which the computer program set forth in claim 11 has been stored.
- 25 13. A digital signature generating apparatus, which has a plurality of secret keys, for generating a digital signature of prescribed digital data using one

of the plurality of secret keys, comprising:

a processing unit adapted to analyze an
externally applied command, and set a secret key,
which is to be used in generating the digital
signature, from among the plurality of secret keys in
accordance with result of the analysis.